Project Management Toolbox at Los Alamos National Laboratory

Project 2

Presented by
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Safeguards & Technology Group

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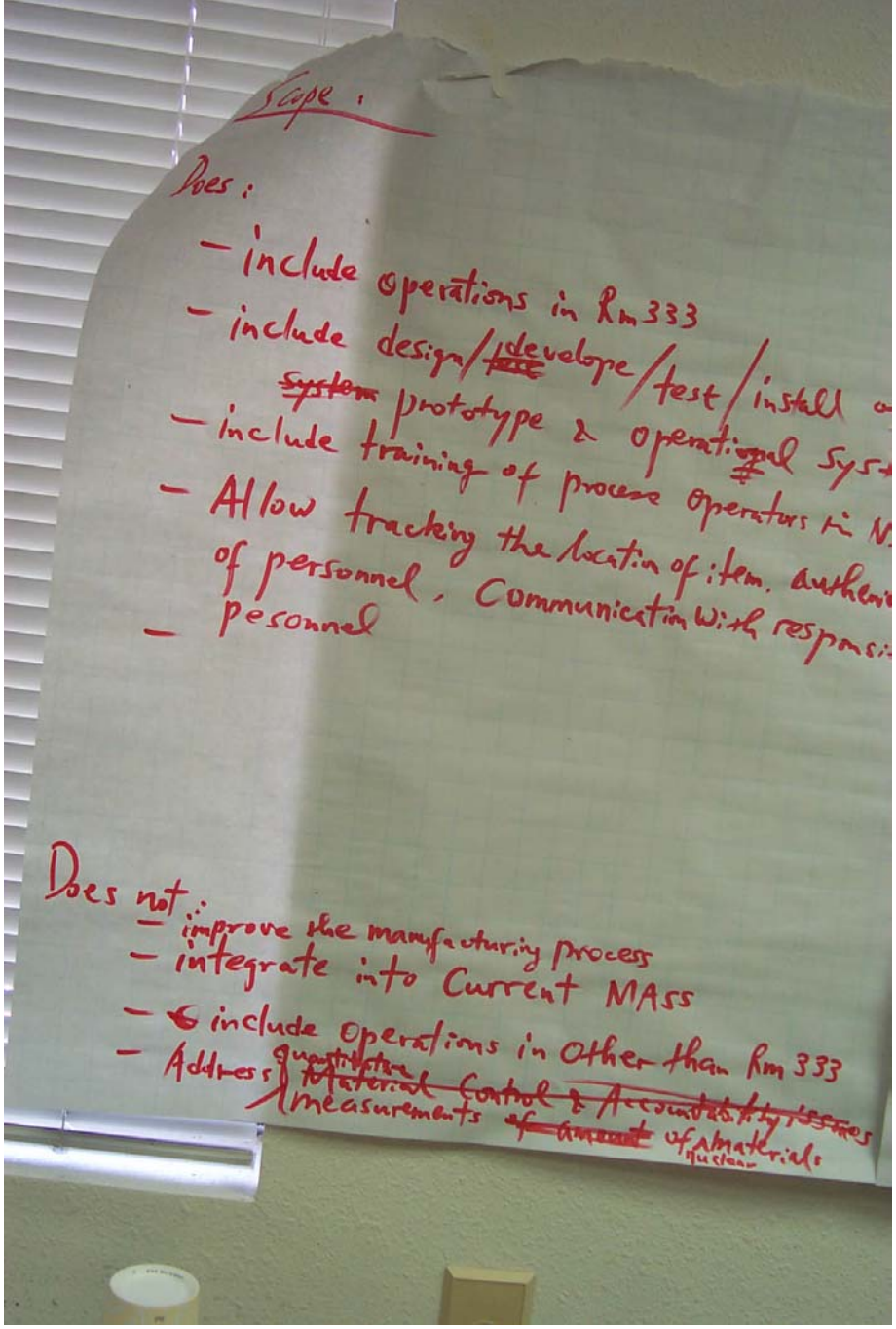
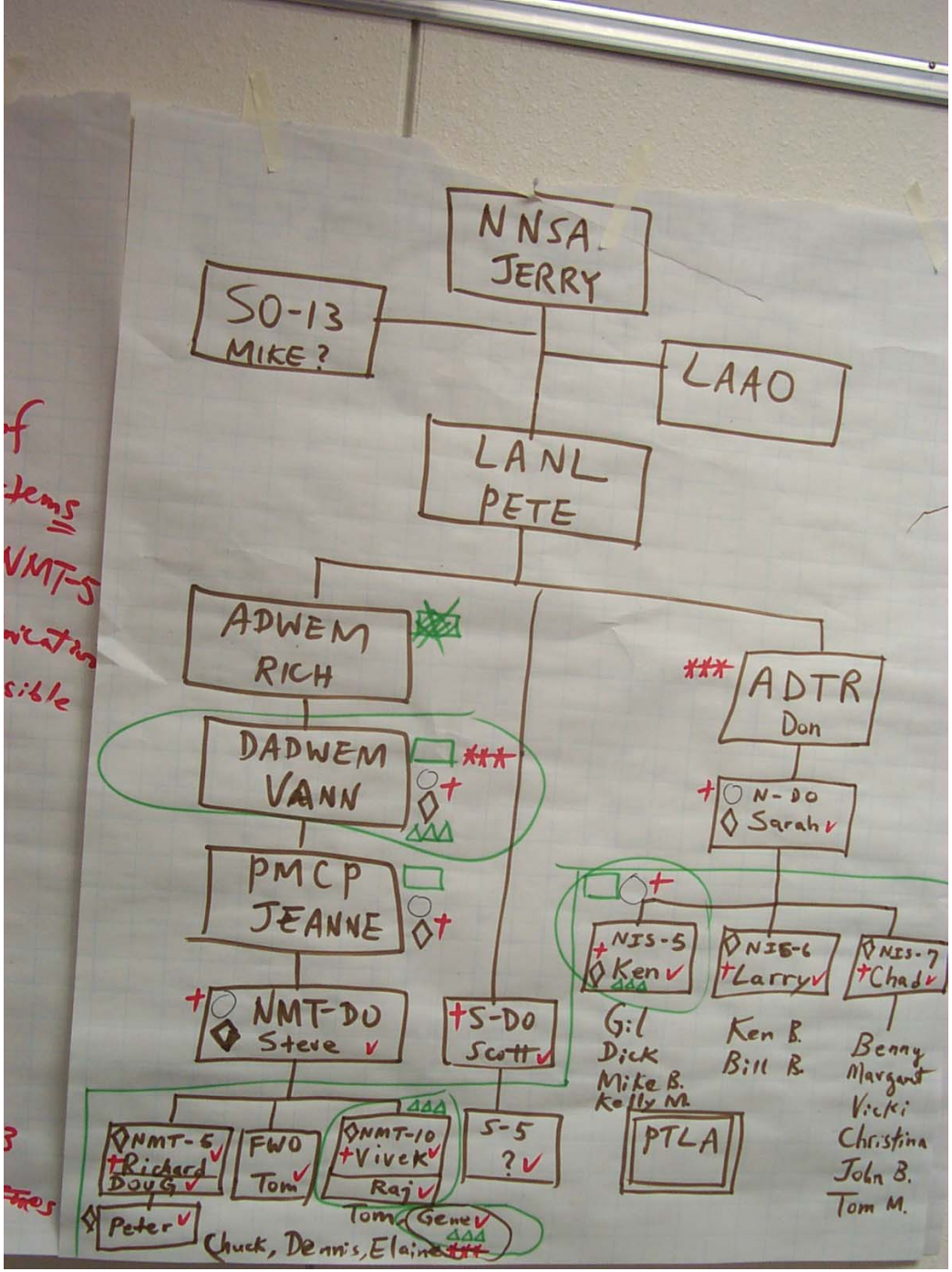
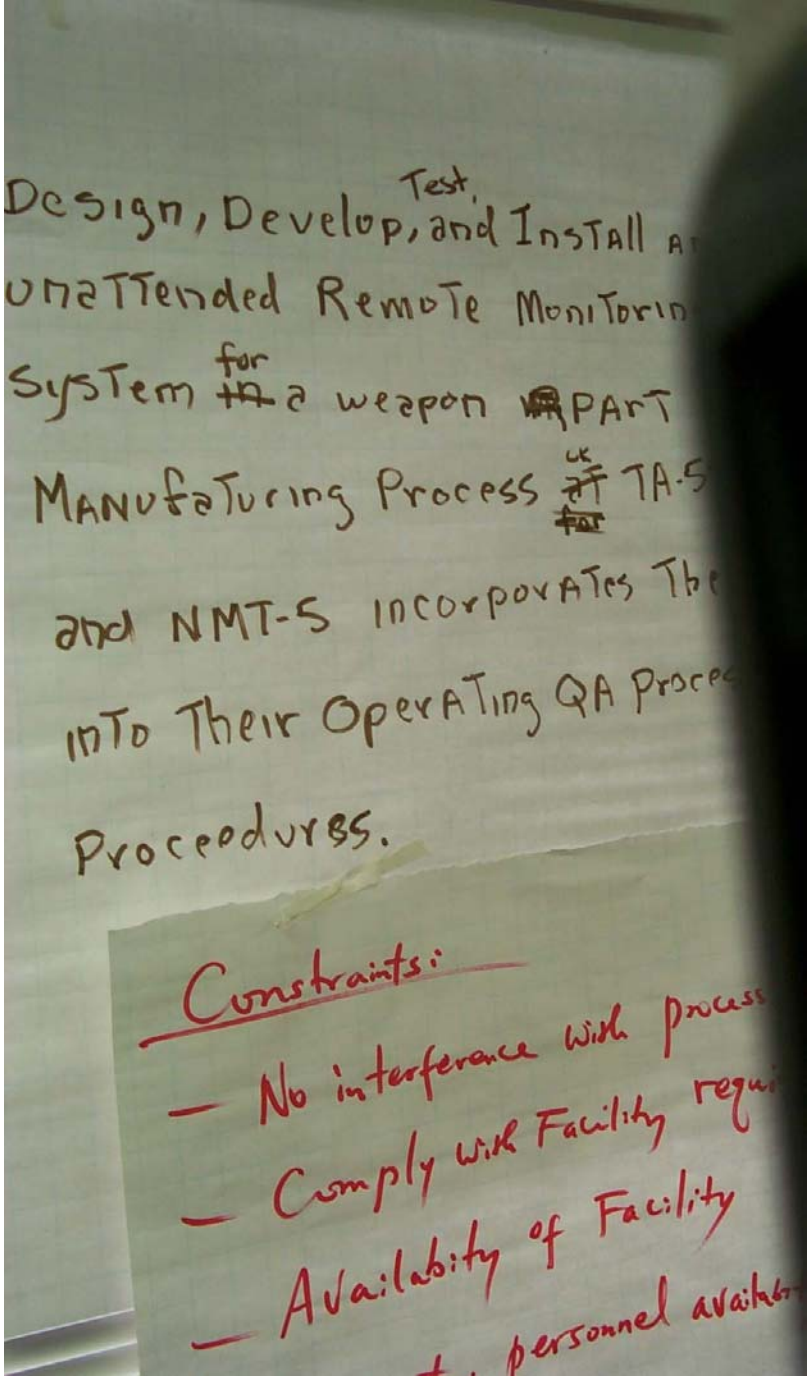
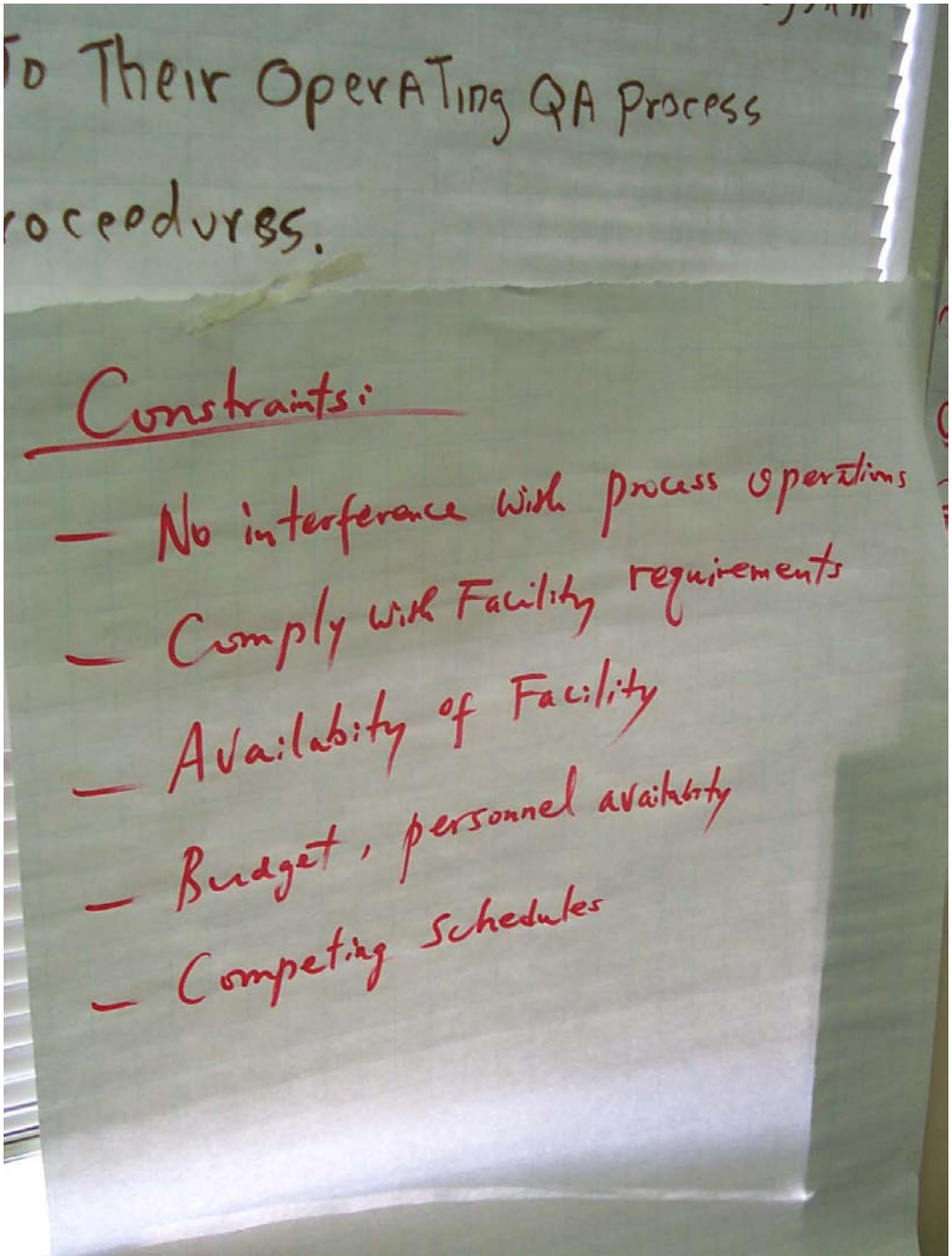
ERIKA

ESTIMATE UNITS OF AC
1. Look at each work p
relative value of each
technical difficulty, co
contribution to the w
2. Assign a % value to
10% of the total wor
C = 60%). Each wor
sum of all activities
3. Put the % value on a
4. NEXT decide the rel
the whole project. T
so the sum of all wo
5. Put the % value of t
on each work packa
FINISH BY


Scope:
Does:
- include operations in Rm 333
- include design/develope/test/install
prototype & operational
- include training of process operators in
- Allow tracking the location of item, authen
of personnel, Communication with respons
- personnel
Does not:
- improve the manufacturing process
- integrate into Current MASs
- include Operations in Other than Rm 333
- Address measurements of materials

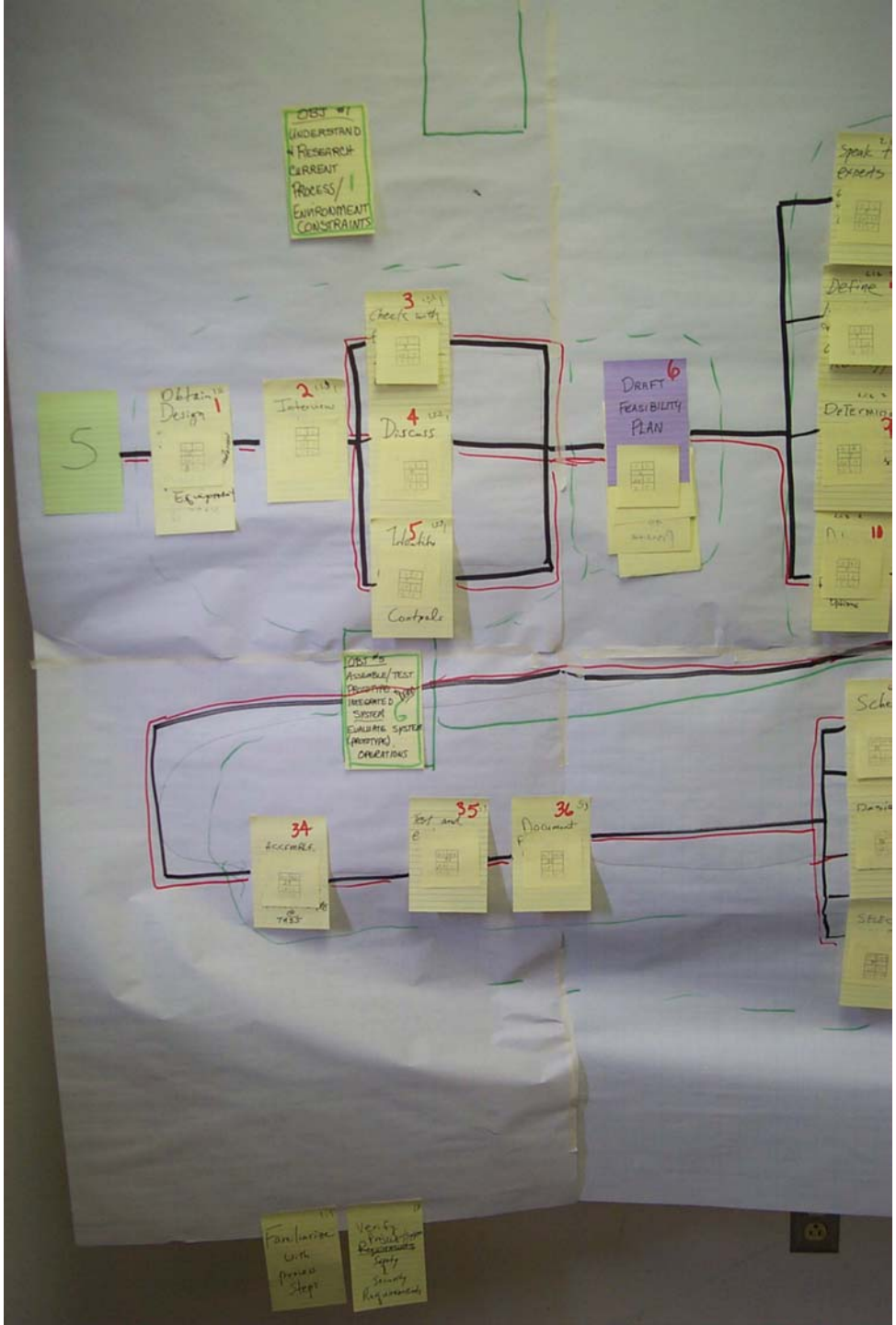

NNSA
JERRY
SO-13
MIKE?
LAAO
LANL
PETE
ADWEM
RICH
ADTR
Don
DADWEM
VANN
N-DO
Sarah
PMCP
JEANNE
NIS-5
Ken
NIS-6
Larry
NIS-7
Chad
NMT-DO
Steve
S-DO
Scott
Gil
Dick
Mike B.
Kelly M.
Ken B.
Bill B.
Benny
Margaret
Vicki
Christina
John B.
Tom M.
NMT-5
Richard
Doug
FWO
Tom
NMT-10
Vivek
Raj
S-5
?
PTLA
Peter
Tom, Gene
Chuck, Dennis, Elaine

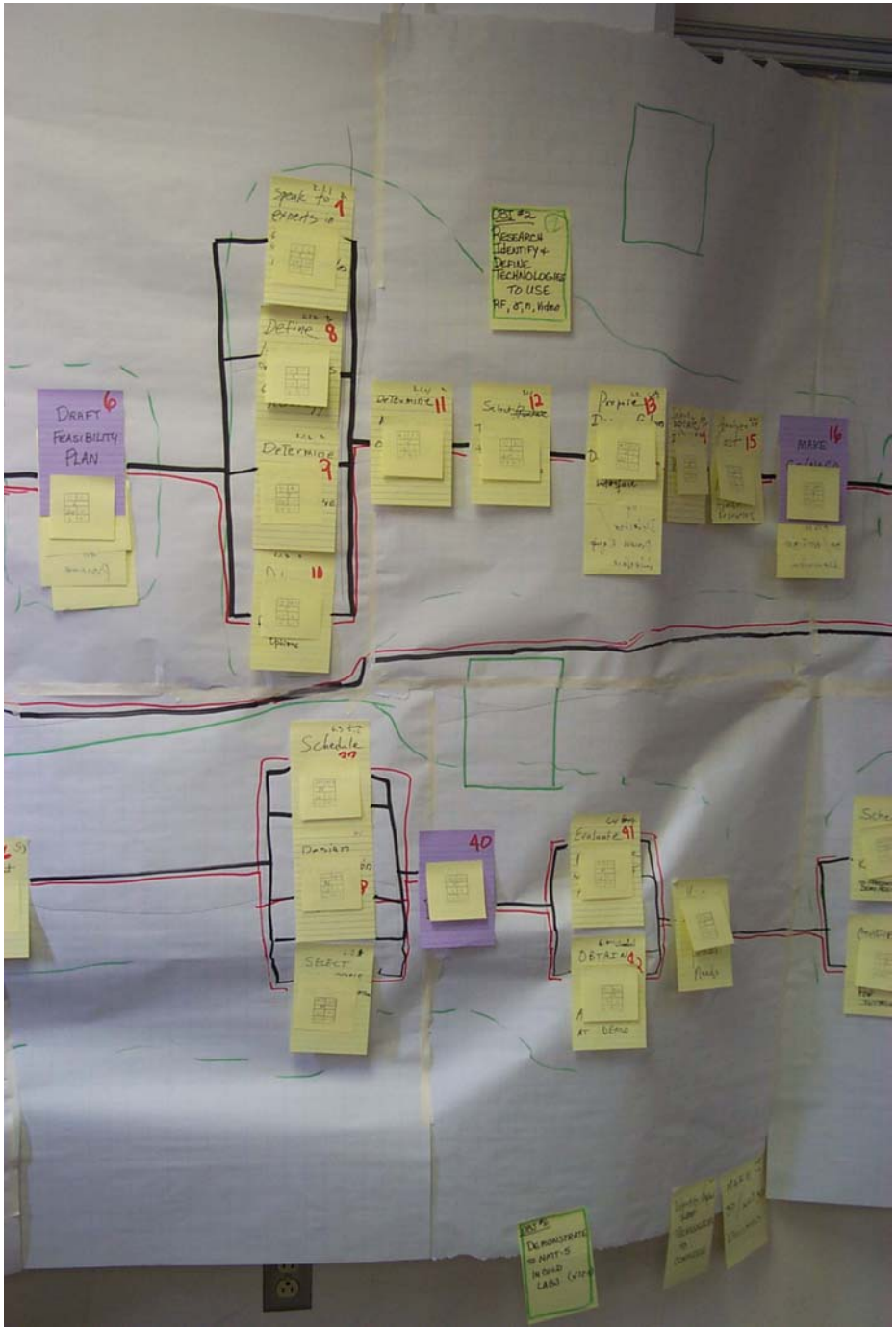

Design, Develop, Test, and Install a
unattended Remote Monitorin
system for a weapon part
Manufacturing Process for TA-5
and NMT-5 incorporates the
into Their Operating QA Proce
Procedures.
Constraints:
- No interference with process
- Comply with Facility requi
- Availability of Facility
personnel availab

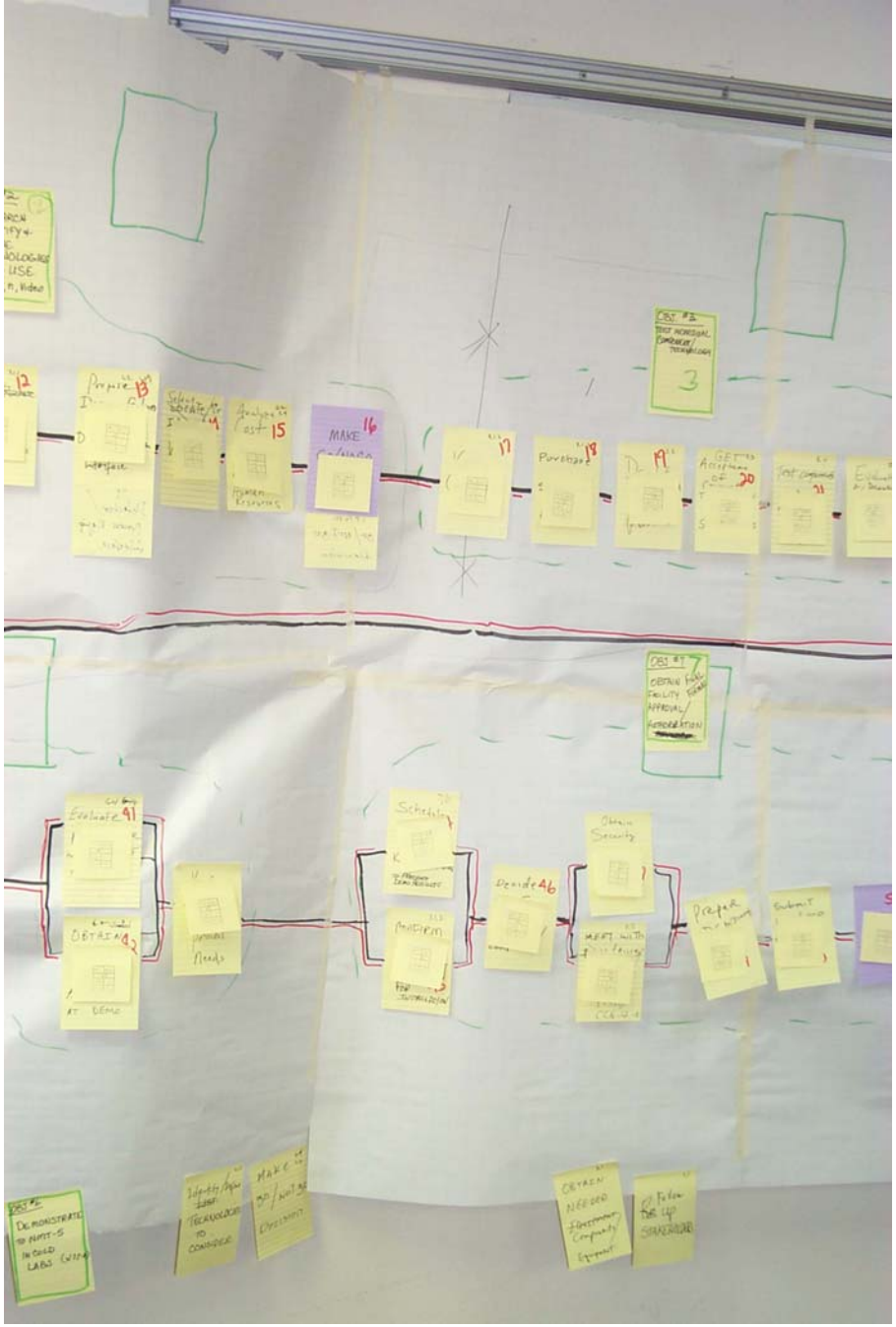

To Their Operating QA Process
roceedures.
Constraints:
– No interferance with process operations
– Comply with Facility requirements
– Availability of Facility
– Budget, personnel availability
– Competing schedules

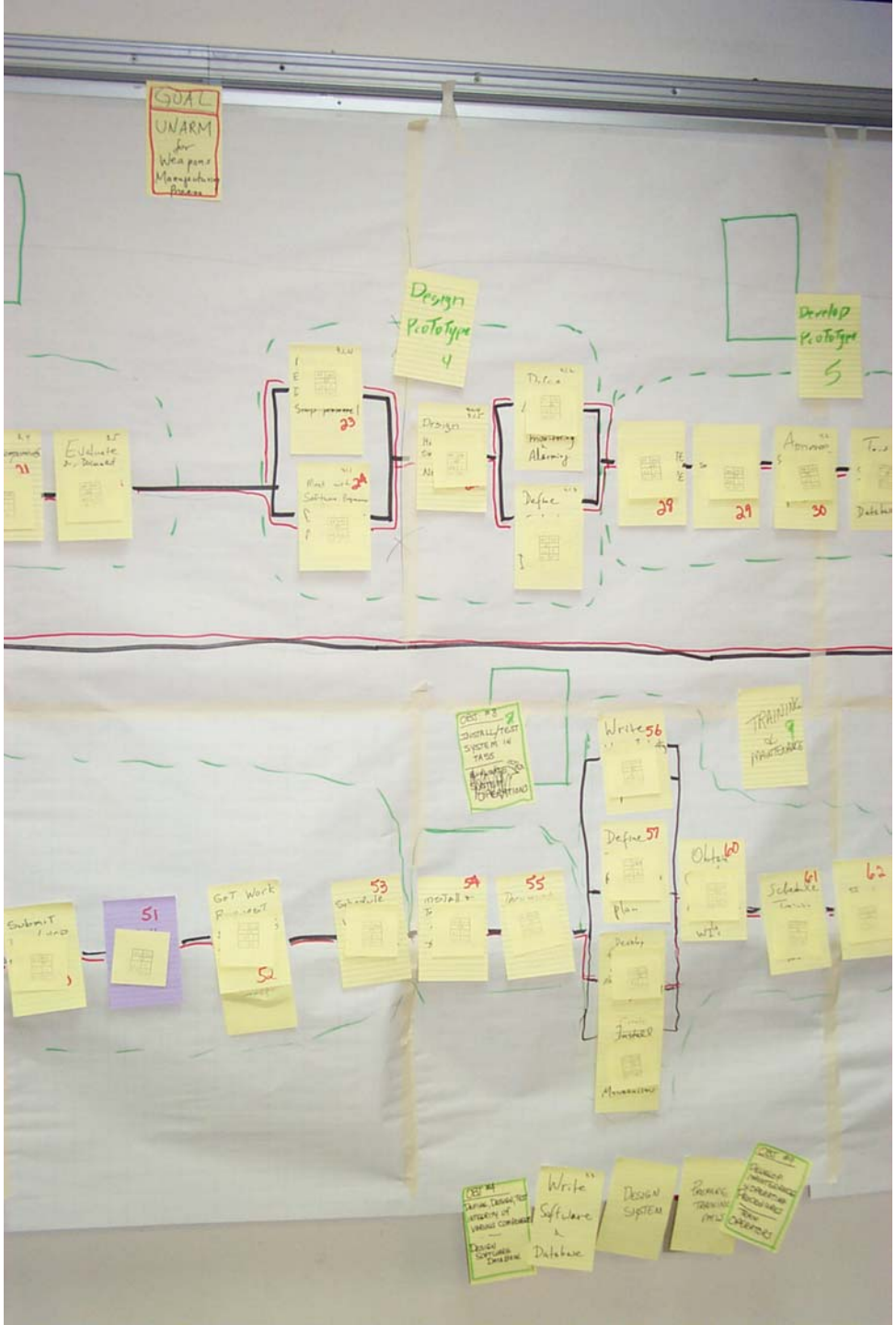
Objectives:

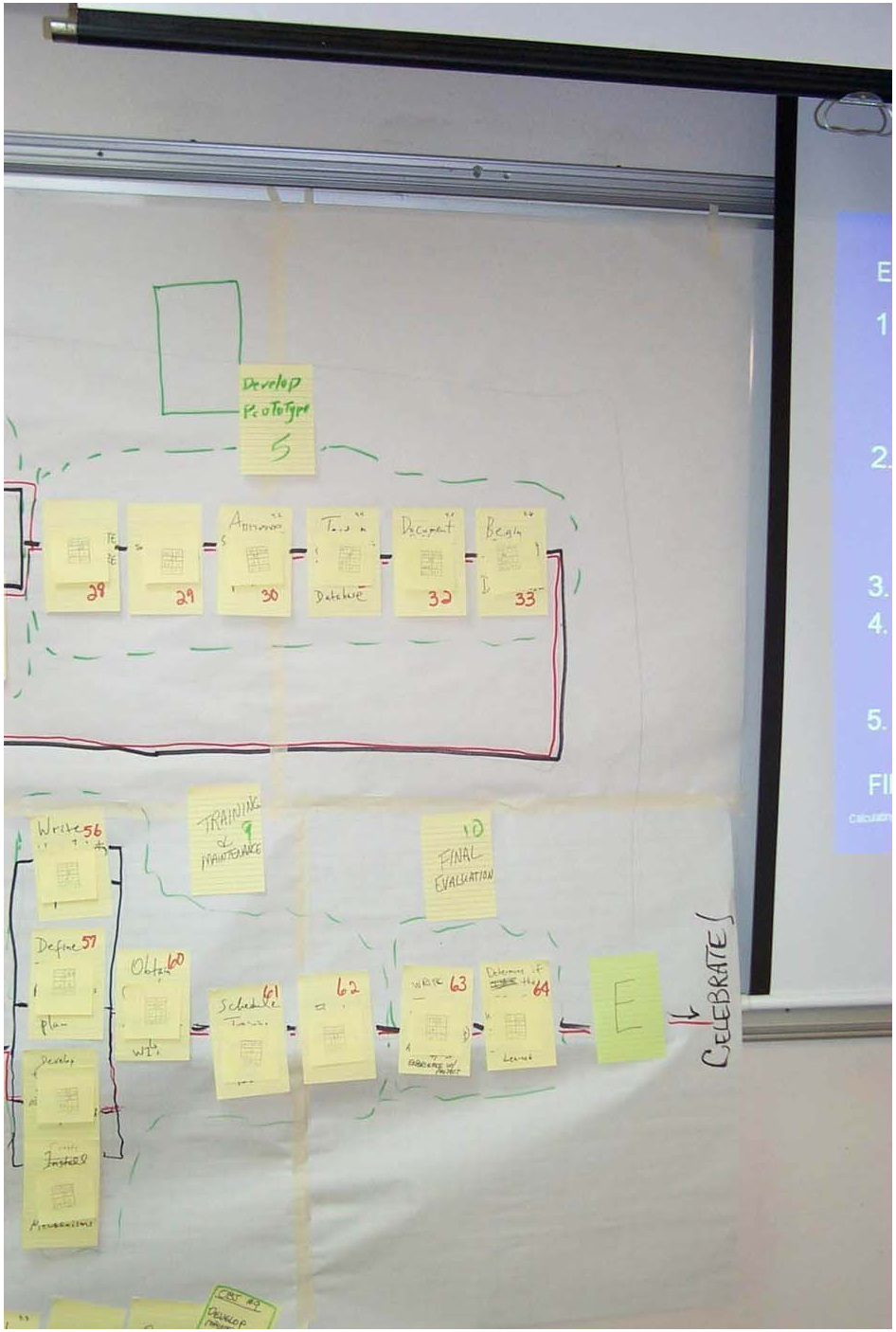
1. ~~Define~~ – Understand Research current process/~~system~~ Environment Constraints
2. Research Identify Offline Technologies to use:
   RF, γ, n, Video ?
3. Test individual Component/technology
4. ~~Design~~ Design/test integrating of various components
5. Design Software/database
6. Assemble/test prototype integrated system
7. Evaluate system (prototype) operations.
8. Demonstrate to NMT-5 in NIS Cold labs
9. Obtain Facility FINAL/FORMAL Approval/authorization
10. Install/~~Set~~test System in ~~PFet~~ TA-55
11. Evaluate system operations
12. Develop maintenance & operating procedures
13. Train operators


OBJ #1
UNDERSTAND & RESEARCH CURRENT PROCESS/ ENVIRONMENT CONSTRAINTS
1
5
Obtain Design
Equipment
2
Interview
3
Check with
4
Discuss
5
Controls
DRAFT FEASIBILITY PLAN
6
Define
DETERMIN
OBJ #3
ASSEMBLE/TEST
INTEGRATED SYSTEM
EVALUATE SYSTEM (PROTOTYPE) OPERATIONS
34
ACCOMPLS.
35
36
Document
Familiarize with Project Steps
Verify Project Requirements Satisfy Security Requirements


Speak to Experts 1
Define 8
Determine 7
Draft Feasibility Plan 6
Determine 11
12
13
15
16
Schedule
40
41
Obtain
Demonstrate


OBS #3
3
MAKE
Evaluate
Schedule
Decide
Prepare
Submit
OBS #7
OBS #8


GOAL
UNARM
for
Weapons
Manufacturing
Process
Design
Prototype
4
Develop
Prototype
5
Evaluate
Simulation
23
Monitoring
Alarms
Define
29
29
30
Write
56
TRAINING
Define
57
Plan
60
61
62
Submit
51
Get Work
Requirement
52
Schedule
53
54
55
Write
Software
&
Database
Design
System


Develop Prototype
5
29
29
30
Detective
32
33
TRAINING & MAINTENANCE
9
FINAL EVALUATION
10
Write 56
Define 57
Obtain 60
Schedule 61
62
63
64
CELEBRATE!